Index of Claims

Application/Control No.

10/045,303 Examiner

Reexamination STEPHENS, JAMES H.

Applicant(s)/Patent under

Art Unit

Peling A. Shaw

2144

Rejected Allowed

(Through numeral) Cancelled ÷

Restricted

Non-Elected N

Interference

Appeal Α 0 Objected

| Cla    | Date     |         |   |   |  |          |          |  | Claim    |   |   |       |          | Date     |          |        |          |          |         |
|--------|----------|---------|---|---|--|----------|----------|--|----------|---|---|-------|----------|----------|----------|--------|----------|----------|---------|
| Final  | Original | 8/23/05 |   |   |  |          |          |  |          |   |   | Final | Original |          |          |        |          |          |         |
|        | 1        | 7       |   | _ | -  | -        | _        |  | -        |   |   |       | 51       | $\dashv$ |          |        |          |          | -       |
|        | 2        | 7       |   |   | $\vdash$   | ┢        | $\vdash$ | _  | $\vdash$ |   |   |       | 52       |          |          |        |          |          | ┢       |
|        | 3        | 1       |   |   | $\vdash$   | $\vdash$ | $\vdash$ | -  | $\vdash$ |   |   |       | 53       | П        | _        |        |          | -        | H       |
| _      | 4        | 1       |   | - | -  | ✝        | ┢        | t  | -        |   |   |       | 54       |          |          |        |          |          | T       |
| -      | 5        | 7       |   |   | t  | $\vdash$ | _        | $\vdash$   | $\vdash$ |   |   |       | 55       |          | ,        |        |          |          | T       |
|        | 6        | 1       |   |   |  | $\vdash$ | $\vdash$ |  | $\vdash$ |   |   |       | 56       |          |          | Г      |          | _        | Т       |
|        | 7        | 1       |   |   | <u> </u>   | Г        | Г        | <del>                                     </del> |          |   |   |       | 57       |          |          |        |          |          | Г       |
|        | 8        | 7       |   |   | <u> </u>   |          |          | Г  |          |   |   |       | 58       |          |          |        |          |          | Г       |
|        | 9        | 1       |   | Г | <del>                                     </del> |          |          | Г  |          |   |   |       | 59       |          |          |        |          |          | Γ       |
|        | 10       | 1       |   |   |  |          |          |  |          |   |   |       | 60       |          |          |        |          |          | Г       |
|        | 11       | 1       |   |   |  |          |          |  | Г        |   |   |       | 61       |          |          |        |          |          | Г       |
|        | 12       | 1       |   | Г |  |          |          |  |          |   |   |       | 62       |          |          |        |          |          |         |
|        | 13       | 1       |   |   |  |          | _        |  |          |   |   |       | 63       |          |          |        |          |          |         |
|        | 14       | 1       |   |   |  |          |          |  |          |   |   |       | 64       |          |          |        |          |          |         |
|        | 15       | 1       |   |   | Π  |          |          |  |          |   |   |       | 65       |          |          |        |          |          | Γ       |
|        | 16       | 1       |   |   | Г  | Г        |          |  |          | Г |   |       | 66       |          |          |        |          |          |         |
|        | 17       | 1       |   | П | Г  |          |          | П  |          |   |   |       | 67       |          |          |        |          |          | Г       |
|        | 18       | 1       |   |   |  |          |          |  |          |   |   |       | 68       |          |          |        |          |          | Г       |
|        | 19       | 1       |   |   |  |          |          |  | П        | Г |   |       | 69       |          |          |        |          |          | Г       |
|        | 20       | 1       |   |   |  | П        |          |  |          |   |   |       | 70       |          |          |        |          |          |         |
|        | 21       |         |   |   |  |          |          |  |          |   | 1 |       | 71       |          |          |        |          |          | Г       |
|        | 22       |         |   |   |  |          |          |  |          |   | 1 |       | 72       |          |          |        |          |          |         |
|        | 23       |         |   |   |  |          |          |  |          |   | 1 |       | 73       |          |          |        |          |          | Γ       |
|        | 24       |         |   |   |  |          |          | Ī  |          |   | 1 |       | 74       |          |          |        |          |          | Γ       |
| $\Box$ | 25       |         |   |   |  |          |          |  |          |   | 1 |       | 75       |          |          |        |          |          | Γ       |
|        | 26       |         |   |   |  |          |          | Π  |          |   | 1 |       | 76       |          |          |        |          |          | Γ       |
|        | 27       |         |   |   |  |          | Π        |  |          |   | Ì |       | 77       |          |          |        |          |          | Γ       |
|        | 28       | Г       |   |   |  |          | Ī        | П  | Ī        |   | Ì |       | 78       |          |          |        |          |          | Γ       |
|        | 29       |         |   |   |  | П        |          |  |          |   | 1 |       | 79       |          |          |        | Г        | Г        | Γ       |
|        | 30       |         |   |   |  | Π        | Π        |  |          |   | 1 |       | 80       |          |          |        |          |          | Γ       |
|        | 31       |         |   |   |  | Π        | Π        |  |          | Γ | 1 |       | 81       |          |          |        |          |          | Γ       |
|        | 32       |         |   |   |  |          |          |  |          |   | ] |       | 82       |          |          |        |          |          | $\prod$ |
|        | 33       |         |   |   |  |          |          |  |          |   | ] |       | 83       |          |          |        |          |          |         |
|        | 34       |         |   |   |  |          |          |  |          |   |   |       | 84       |          |          |        |          |          | L       |
|        | 35       |         |   |   |  | L        |          |  |          |   |   |       | 85       |          |          |        |          |          |         |
|        | 36       |         |   |   |  |          |          |  |          |   |   |       | 86       |          |          |        |          |          |         |
|        | 37       | Π       |   |   |  |          |          |  |          |   |   |       | 87       |          |          |        |          |          | L       |
|        | 38       |         |   |   |  | Γ        |          |  |          |   |   |       | 88       |          |          | L.,    |          |          | L       |
|        | 39       |         |   |   |  |          |          |  |          |   |   |       | 89       |          |          |        |          |          |         |
|        | 40       |         |   |   |  |          |          |  |          |   |   |       | 90       |          |          | L      |          |          | L       |
|        | 41       |         |   |   |  |          |          |  |          |   |   |       | 91       |          |          |        |          |          |         |
|        | 42       |         |   |   |  |          |          |  |          |   |   |       | 92       |          |          |        |          |          | L       |
|        | 43       |         |   |   |  |          | L        |  | L        |   | ] |       | 93       |          |          | L      | $\Box$   |          | Ĺ       |
|        | 44       |         |   |   |  |          |          |  |          |   | J |       | 94       |          |          |        |          |          |         |
|        | 45       |         |   |   |  |          |          |  |          |   | ] |       | 95       |          |          |        |          |          | L       |
|        | 46       |         |   |   |  |          |          | 匚  | Ĺ        |   | ] |       | 96       | Ĺ        |          |        |          |          | Ĺ       |
|        | 47       |         |   | Ĺ | $\Box$   | 匚        |          |  |          | 匚 |   |       | 97       |          | <u> </u> | _      |          |          | Ĺ       |
|        | 48       |         |   |   |  |          |          | L  |          | Ĺ | 1 |       | 98       | L        |          | ـــــا |          |          | Ļ       |
|        | 49       | oxdot   | L | 匚 |  |          |          |  | ļ        | 匚 | 1 |       | 99       |          | _        |        | <u> </u> | <u> </u> | ļ.      |
|        | 50       | L.      | L |   |  | L        |          |  |          | l | ] | L     | 100      | <u> </u> |          |        | L        | 乚        | L       |

| Claim       |  | Date           |              |              |                   |              |                |              |              |  |  |
|-------------|--|----------------|--------------|--------------|-------------------|--------------|----------------|--------------|--------------|--|--|
|             |  |                |              |              |                   |              |                |              |              |  |  |
| a           | Original                                     |                |              |              |                   |              |                |              |              |  |  |
| Final       | ığı  |                |              |              |                   |              |                |              |              |  |  |
| -           | Ō  |                |              |              |                   |              |                |              |              |  |  |
| <del></del> | 51   | -              | _            | -            | $\vdash$          | H            |                |              |              | $\vdash$   |  |
| <u> </u>    | 51   |                |              | _            | _                 |              | _              |              | _            | Ш  |  |
| <b>—</b>    | 52<br>53                                     |                | _            | -            | _                 | -            |                |              |              | Н  |  |
| <u> </u>    | 53   |                |              | _            |                   |              |                |              |              | $\dashv$   |  |
|             | 54<br>55                                     | _              |              | _            | _                 |              | -              |              |              |  |  |
|             | 22   |                |              | <u> </u>     | _                 |              | _              |              | _            | $\dashv$   |  |
| <u> </u>    | 56   |                |              | _            | _                 | _            | _              |              |              | Н  |  |
| <u> </u>    | 57   |                |              | _            | _                 | _            |                |              |              | Н  |  |
| <u> </u>    | 58<br>59                                     |                |              | _            | _                 |              |                |              |              | Щ  |  |
|             | 59   |                |              |              |                   |              |                |              | _            | Щ  |  |
| <u> </u>    | 60   | _              |              | _            |                   |              |                |              |              | Щ  |  |
|             | 61<br>62                                     |                |              | <u> </u>     |                   |              |                |              | Ш            | Щ  |  |
| <u> </u>    | 62   |                |              | _            |                   |              | L.,            | L.           | ᆫ            | Щ  |  |
| <u></u>     | 63   |                | _            | <u> </u>     | <u> </u>          | <u> </u>     | _              | _            |              | Щ  |  |
| <u></u>     | 64<br>65                                     | Щ              |              | <u> </u>     | <u> </u>          | <u> </u>     | L_             | $oxed{oxed}$ | oxdot        | Щ  |  |
| L           | 65   |                |              | <u> </u>     | $ldsymbol{f eta}$ | $oxed{oxed}$ |                |              | L_           |  |  |
|             | 66<br>67                                     |                |              | ļ            |                   |              |                |              |              | Ш  |  |
|             | 67   |                |              |              | <u> </u>          | <u> </u>     |                |              |              | Ш  |  |
|             | l 68   |                |              | L            | _                 |              |                |              |              | Ш  |  |
|             | 69   |                |              |              | <u>L</u>          |              |                |              | <u> </u>     | Ш  |  |
|             | 70   |                |              |              |                   |              |                | _            | L            |  |  |
|             | 71   | L              |              |              |                   | L            |                | L            | L_           |  |  |
|             | 72   |                |              | _            |                   |              |                |              | _            | Ц  |  |
|             | 73   |                |              | _            |                   |              | L              |              | L            | Ш  |  |
| Ĺ           | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76 | _              |              | L            |                   |              |                |              |              | Щ  |  |
| L           | 75   |                | _            | <u> </u>     |                   | _            | _              | _            | _            | Ш  |  |
|             | 76   |                |              | L.           | <u> </u>          | <u> </u>     |                |              |              | Ш  |  |
| <u> </u>    | 77<br>78<br>79                               | _              |              | _            | <u> </u>          | <u> </u>     | <u> </u>       |              | ļ            | Щ  |  |
| <u> </u>    | 78   |                | _            | L            | <u> </u>          | L            | <u> </u>       | _            |              | Щ  |  |
|             | 79   | L.             | _            | _            | <u> </u>          | L            | <u> </u>       | _            | _            | Ш  |  |
|             | 80<br>81                                     | <u> </u>       |              | _            | _                 | <u> </u>     | L              | _            | <u> </u>     | Ш  |  |
|             | 81   | <u> </u>       | _            | _            | _                 |              | <u> </u>       | <u> </u>     | <u> </u>     | Ш  |  |
|             | 82   | ļ              | <u> </u>     | L            | <u> </u>          | <u>L</u>     | _              | <u> </u>     | L            |  |  |
| <u></u>     | 83   | _              | <u> </u>     |              | ļ                 |              |                | <u> </u>     | _            | Ш  |  |
| <u> </u>    | 84   | <u> </u>       | <u> </u>     | -            | <u> </u>          | _            | _              | <u> </u>     | <u> </u>     | Ш  |  |
| <u> </u>    | 84<br>85<br>86                               | <u> </u>       | <u> </u>     | <u> </u>     | _                 | _            | ऻ_             | <u> </u>     | ⊢            | Ш  |  |
| <b>└</b>    | 86   | <u> </u>       | <u> </u>     | <u> </u>     | <u> </u>          | <u> </u>     | <u> </u>       |              | <u> </u>     | Ш  |  |
| <u> </u>    | 87   |                | Ь.           | <u> </u>     | <u> </u>          | <u> </u>     | <u> </u>       | ļ            | <u> </u>     | Н  |  |
| <u> </u>    | 88   |                |              | <u> </u>     |                   | <u> </u>     | <u> </u>       | <u> </u>     | <u> </u>     | Щ  |  |
| -           | 89   | <u> </u>       | <u> </u>     | <u> </u>     | <u> </u>          | <u> </u>     | <del> </del> — | <del> </del> | <del> </del> | Н  |  |
| <u> </u>    | 90   |                | <u> </u>     | ⊢-           | 1                 | ⊢            | $\vdash$       | <u> </u>     | <b> </b>     | $\vdash$   |  |
| <u> </u>    | 91   | <del> </del> — |              | -            | <u> </u>          | -            | <u> </u>       | _            | <u> </u>     | Н  |  |
| <u> </u>    | 92   | -              | <u> </u>     | <b>—</b>     | -                 | <u> </u>     | $\vdash$       | $\vdash$     |              | $\vdash$   |  |
| L           | 93   | <u> — </u>     | <u> </u>     |              | $\vdash$          | <u> </u>     | <u> </u>       | <u> </u>     | <u> </u>     | Щ  |  |
| <u> </u>    | 94   | _              | <u> </u>     | _            |                   | <del> </del> | <u> </u>       | <u> </u>     | -            | -  |  |
| L           | 95   | <del> </del>   | <del> </del> | <del> </del> | $\vdash$          | $\vdash$     | <b>—</b>       | -            | ⊢            |  |  |
|             | 96   | $\vdash$       | $\vdash$     | $\vdash$     | ــ                | $\vdash$     | <del> </del>   | $\vdash$     | ऻ_           | $\vdash$   |  |
| <u> </u>    | 97   | <u> </u>       | <u> </u>     | ⊢            | -                 | $\vdash$     | <u> </u>       | <u> </u>     | ⊢            | <del>                                     </del> |  |
| <u> </u>    | 98   | ├-             | <u> </u>     | ⊢            | -                 | <u> </u>     | -              | <u> </u>     | <del> </del> | <b>!</b>   |  |
|             | 99   | <del> </del> _ | <u> </u>     | <del> </del> | $\vdash$          | <del> </del> | -              |              | ├—           | <b>-</b>   |  |
|             | 100  | L              | L            |              | <u>L_</u>         | <u> </u>     | L_             | <u>L</u>     |              |  |  |

| Claim    |                   | Date         |  |              |                |          |                   |              |  |          |  |  |
|----------|-------------------|--------------|--|--------------|----------------|----------|-------------------|--------------|--|----------|--|--|
| Final    | Original          |              |  |              |                |          |                   |              |  |          |  |  |
|          | 101               |              |  |              |                |          |                   |              |  |          |  |  |
|          | 101<br>102        |              |  |              |                |          |                   |              |  |          |  |  |
|          | 103               |              | _  | $\Box$       |                | Ш        |                   |              | L  | Ш        |  |  |
|          | 104<br>105        |              | _  | lacksquare   | _              |          |                   |              |  | Ш        |  |  |
|          | 105               |              | <u> </u>   |              | _              |          |                   |              |  | Н        |  |  |
|          | 106<br>107        | <u> </u>     |  | -            | -              |          |                   | _            | $\vdash$   | Н        |  |  |
|          | 108               | -            | $\vdash$   |              |                |          |                   |              |  | $\vdash$ |  |  |
|          | 109               | -            | $\vdash$   |              |                |          |                   |              | -  | H        |  |  |
| $\vdash$ | 110               |              |  |              |                |          |                   |              | $\vdash$   | H        |  |  |
|          | 111               |              |  |              |                |          |                   |              |  | П        |  |  |
|          | 112<br>113        |              |  |              |                |          |                   |              |  |          |  |  |
|          | 113               |              |  |              |                |          |                   |              |  |          |  |  |
|          | 114               | <u>L</u>     |  | Щ.           |                | <u> </u> |                   |              | L_   | Ш        |  |  |
|          | 115               | ļ            |  |              |                | Ш        | :                 |              |  | Ш        |  |  |
|          | 116               | <u> </u>     | _  | <u> </u>     | <u> </u>       | _        |                   |              |  | -        |  |  |
|          | 117               |              | ├  | ├-           | ⊢              |          |                   |              | -  | Н        |  |  |
| <u> </u> | 118<br>119        | -            | -  | <del> </del> |                | ⊢        |                   | _            | ⊢  | Н        |  |  |
|          | 120               | -            | ⊢  | -            | -              | ┢        | $\vdash$          | _            | $\vdash$   | Н        |  |  |
|          | 121               |              | ├  | ┢╾           | ┝              |          | $\vdash$          | $\vdash$     | ┢  | Н        |  |  |
|          | 120<br>121<br>122 |              | ┪  | $\vdash$     | 一              | _        | -                 | -            | <del>                                     </del> | П        |  |  |
|          | 123               |              |  |              |                | Г        |                   |              |  | П        |  |  |
|          | 123<br>124        |              |  |              |                |          |                   |              |  |          |  |  |
|          | 125               | _            |  |              | _              | <u> </u> | L                 |              | _  | Щ        |  |  |
|          | 126<br>127        |              | $oxed{oxed}$                                     | L            | L              | <u> </u> | 匚                 | <u> </u>     | 匚  | Ш        |  |  |
|          | 127               |              | _  | _            | <u> </u>       | <u> </u> | <u> </u>          | _            | <u> </u>   | Ш        |  |  |
|          | 128<br>129<br>130 | <u> </u>     | <u> </u>   | ⊢            | <del> </del>   | -        | <u> </u>          |              | ┝  | Н        |  |  |
| <u> </u> | 130               | ⊢            | ╀  | ┞            | ├              |          | -                 | $\vdash$     | ⊢  | Н        |  |  |
| -        | 131               | ├            | ├-   | $\vdash$     | ┝              | -        |                   |              | -  | Н        |  |  |
|          | 132               | 1            | <u> </u>   |              | -              | -        | <del> </del>      | _            | ╁  | Н        |  |  |
|          | 133               | <del> </del> | <del>                                     </del> | <del> </del> | -              | _        | $\vdash$          |              | -  | П        |  |  |
|          | 134               | T            |  | _            | _              |          |                   |              |  | П        |  |  |
|          | 134<br>135        |              |  |              |                |          |                   |              |  |          |  |  |
|          | 136               |              |  |              |                |          |                   |              |  |          |  |  |
|          | 137               | _            | _  | L.           | _              | <u> </u> | $ldsymbol{f eta}$ | _            |  | Ш        |  |  |
|          | 138               | ⊢            | <u> </u>   | <u> </u>     | <u> </u>       |          | _                 | _            | <u> </u>   | Ш        |  |  |
| <u> </u> | 139               | $\vdash$     | ┼  | $\vdash$     | <u> </u>       | <u> </u> | ⊢                 | -            |  | Н        |  |  |
| <u> </u> | 140               | $\vdash$     |  | ├            | -              |          |                   | -            | ├  | H        |  |  |
|          | 142               | -            |  | $\vdash$     | ├              | $\vdash$ |                   | -            | ├  | $\vdash$ |  |  |
|          | 143               | $\vdash$     | -  | $\vdash$     | +-             | -        | -                 |              | -  | $\vdash$ |  |  |
| -        | 144               |              | H  | ┢            | <del>  -</del> | 1        |                   | Г            | $t^{-}$  | $\vdash$ |  |  |
|          | 145               | $\vdash$     |  | Т            | Г              |          | -                 | Г            | T  | П        |  |  |
|          | 146               |              |  | 1            |                |          |                   | Γ            |  |          |  |  |
|          | 147               |              |  |              |                |          |                   |              |  |          |  |  |
|          | 148               |              |  |              |                | $\Box$   |                   |              |  |          |  |  |
| <u></u>  | 149               | ┖            | _  | <u> </u>     | <u> </u>       | <u> </u> | <u> </u>          | $oxed{oxed}$ | <u> </u>   | ļ        |  |  |
| Щ_       | 150               | <u> </u>     |  | 1            |                | <u> </u> | L                 | <u> </u>     | <u>L</u>   | L.       |  |  |